

REMARKS

Applicants elect, with traverse, Group VII, claims 24, 29-30, and 33, directed to a 61kD *Brachyspira hyodysenteriae* lipoprotein and to diagnostic kits and vaccines comprising said lipoprotein.

In addition, claim 24 is now limited to a diagnostic kit for detecting antibodies to the 61kD *Brachyspira hyodysenteriae* lipoprotein. Applicants have amended claims 29 and 30 to recite isolated and purified lipoproteins, and claim 33 to recite that the immunogenic composition comprises an immunogenically effective amount of the subject lipoprotein.

Claims 46 and 47 are added to recite methods for protecting swine using immunogenic compositions comprising the 61kD *Brachyspira hyodysenteriae* lipoprotein.

It is believed that claims 24, 29, 30, 33, 46 and 47 recite patentable improvements in the art. Favorable action is solicited.

Should the Examiner consider that a conference would be helpful in advancing the prosecution of this application, he is invited to telephone Applicants' attorney at the number below.

The Commissioner is hereby authorized to charge the fee(s) to Deposit Account No. 02-2334. In addition, if there is ever any other fee deficiency or overpayment under 37 C.F.R. §1.16 or 1.17 in connection with this patent application, the Commissioner is

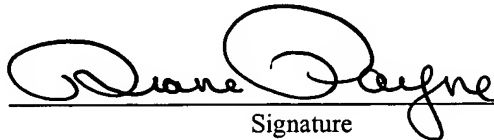


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Applicant: Ben Adler, et al.
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Confirmation No: 8800
For: Novel *Brachyspira Hyodysenteriae* Vaccine
Group Art Unit: 1645
Customer No.: 31846
Attorney Docket: I-2002.011 US

Receipt acknowledged of the following documents in the above-identified application:

Amendment and Reply to Restriction Requirement (9 pages)
Certificate of Mailing (1 page)
Self-addressed stamped post card (1)